

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): ~~Process~~ A process for the desulphurization of a mixture of hydrocarbons comprising sulphur compounds, comprising a stage of oxidation by means of an oxidizing agent, in order to oxidize the sulphur compounds, followed by a stage of removal of the oxidized sulphur compounds by adsorption on an adsorbent solid, ~~characterized in that~~ wherein the adsorbent solid comprises at least 60% by weight of amorphous silica/alumina.

Claim 2 (Currently Amended): ~~Process~~ The process according to Claim 1, ~~characterized in that~~ wherein the mixture of hydrocarbons before oxidation comprises aromatic hydrocarbons in an amount of less than or equal to 80% by weight.

Claim 3 (Currently Amended): ~~Process~~ The process according to ~~any one of the preceding claims, characterized in that~~ Claim 1, wherein the sulphur content of the mixture of hydrocarbons before adsorption is less than or equal to 200 ppm

Claim 4 (Currently Amended): ~~Process~~ The process according to ~~any one of the preceding claims, characterized in that~~ Claim 1, wherein the oxidizing agent comprises hydrogen peroxide.

Claim 5 (Currently Amended): ~~Process~~ The process according to ~~any one of the preceding claims, characterized in that~~ Claim 1, wherein the alumina content of the silica/alumina is less than or equal to 50% by weight (with respect to the total weight of the dry adsorbent solid).

Claim 6 (Currently Amended): ~~Process~~ The process according to ~~any one of the preceding claims, characterized in that~~ Claim 1, wherein the adsorbent solid is devoid of any solid of crystalline structure.

Claim 7 (Currently Amended): ~~Process~~ The process according to ~~any one of Claims 1 to 5, characterized in that~~ Claim 1, wherein the adsorbent solid comprises at least one solid of crystalline structure in an amount of less than or equal to 40% by weight (with respect to the total weight of the dry adsorbent solid).

Claim 8 (Currently Amended): ~~Process~~ The process according to ~~the preceding claim, characterized in that~~ Claim 7, wherein the solid of crystalline structure is a zeolite X or Y.

Claim 9 (Currently Amended): ~~Process~~ The process according to ~~any one of the preceding claims, characterized in that~~ Claim 1, wherein the adsorbent solid exhibits a specific surface of greater than or equal to 400 m²/g and less than or equal to 1000 m²/g.

Claim 10 (Currently Amended): ~~Process~~ The process according to ~~any one of the preceding claims, characterized in that~~ Claim 1, wherein the adsorbent solid comprises mesopores.